

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/093639 A3

(51) International Patent Classification⁷: A61B 17/08
(21) International Application Number:
PCT/US2004/011791
(22) International Filing Date: 16 April 2004 (16.04.2004)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
10/417,790 16 April 2003 (16.04.2003) US

(71) Applicant (for all designated States except US): SATI-
ETY, INC. [US/US]; 2470 Embarcadero Way, Palo Alto,
CA 94303-3313 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GANNOE, Jamy
[US/US]; 935 Sherman Avenue, Menlo Park, CA 94025
(US). WELLER, Gary [US/US]; 15570 El Gato Lane,
Los Gatos, CA 95032 (US). SUTTON, Douglas, S.
[US/US]; 1595 Adobe Drive, Pacifica, CA 94044 (US).
GERBI, Craig [US/US]; 515 Villa Street, Mountain View,
CA 94041 (US).

(74) Agent: NAGY, John, S.; Fulwider.. Patton, Howard
Hughes Center, 6060 Center Drive, Tenth Floor, Los
Angeles, CA 90045 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

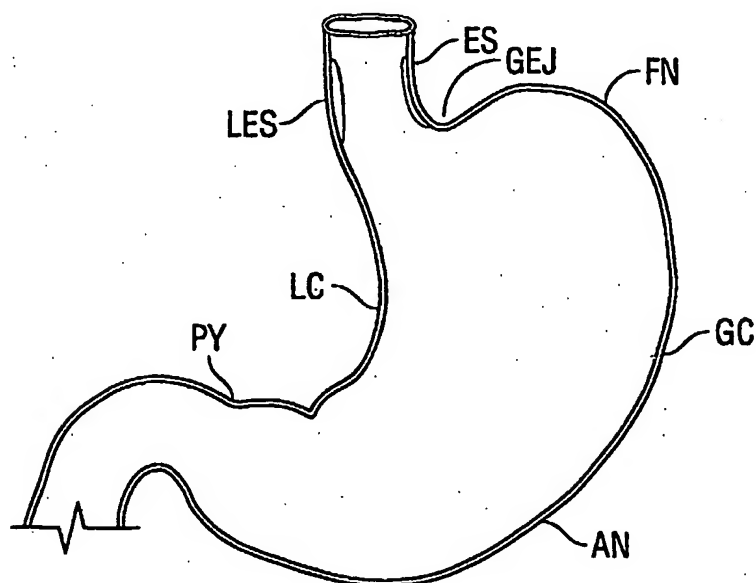
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
28 April 2005

[Continued on next page]

(54) Title: METHOD AND DEVICES FOR MODIFYING THE FUNCTION OF A BODY ORGAN



(57) Abstract: Methods and devices for partitioning or plicating a region of a hollow body organ are described herein. These methods and devices relate generally to medical apparatus and methods and more particularly to devices and methods for affecting a change in the function of a hollow body organ, particularly a stomach, intestine or gastrointestinal tract. These changes can include reducing the volume capacity of the hollow body organ, disrupting or altering the normal function of the organ, functionally excluding certain sections of the organ either by affixing adjacent tissue or excising certain regions, or affecting or correcting the response of the organ to naturally occurring stimuli, such as ingestion.

WO 2004/093639 A3

AL8



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11791

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A 61 B 17/08 US CL : 606/151, 142, 153, 157, 213, 215, 216; 128/898 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 606/151, 142, 153, 157, 213, 215, 216; 128/898 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, B	US 6 773 440 B2 (GANNOE et al.) 10 August 2004, see entire document.	1-5, 9-11, 13-23, 27-32
X, P	US 6 558 400 B2 (DEEM et al.) 06 May 2003, see entire document.	1, 6-9, 11, 13-20, 23-28, 30-32
X	US 2002/0 183 768 A1 (DEEM et al.) 05 December 2002, see entire document.	1, 6-9, 11, 13-20, 23-28, 30-32
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "Z" document member of the same patent family		
Date of the actual completion of the international search 02 November 2004 (02.11.2004)		Date of mailing of the international search report 08 MAR 2005
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer LINDA SHOLE Telephone No. 571-272-4391